Restoration Contractor ERC Team

Interoffice Memorandum

0051998Job No. 22192

Written Response Required? No Closes CCN: N/A OU: 200-ZP-1 TSD: N/A ERA: N/A Subject Code: 8630

TO:

J. R. Freeman-Pollard, H9-12

December 13, 1995

45088

COPIES:

See Below

FROM: Duane Jacques

Analytical Services/Field Services

H9-10/372-9400

SUBJECT: 200-ZP-1 GROUNDWATER VERTICAL PROFILE SAMPLING RESULTS, REV 0

REFERENCES:

- 1. BHI, 1995a, Field Screening (On-Site Measurements) Quality Assurance Plan, BHI-EE-08, Bechtel Hanford, Inc., Richland, Washington.
- 2. BHI, 1995b, Field Screening Procedures, BHI-EE-05, Bechtel Hanford, Inc., Richland, Washington.
- 3. BHI, 1995, 200-ZP-1 Field Screening Support Logbook, EL-1273, Bechtel Hanford, Inc., Richland, Washington.

This data package contains field screening results for groundwater samples analyzed to support the 200-ZP-1 Groundwater Vertical Profile Sampling project. The Quality Assurance level for this work corresponds to QA-2 as specified in the reference 1 (BHI 1995a). The samples were managed under SAF B96-043.

Attachment 1 contains Volatile Organic Compound (VOC) results for groundwater samples collected to support the referenced project. The VOC results were generated using a Photovac 10S Plus portable gas chromatograph in accordance with Field Screening Procedure (FSP) 1.1, Aqueous Headspace Analysis of Volatile Organic Compounds in Water (BHI 1995b). Information concerning operation of the gas chromatograph is contained in the instrument logbooks EL-1264 and EL-1269. Information concerning preparation of VOC calibration standards and samples is contained in the referenced field logbook EL-1273, pages 8 through 11.

Please contact me if you have any questions on this information.

Duane Jacques, Scientist

QA Review by: Yaul E Duerksen



J. R. Freeman-Pollard, H9-12 Page 2

IDJ:idj

Attachments:

Attachment 1. 200-ZP-1 Groundwater Vertical Profile Sampling Results Attachment 2. Sample Chain of Custody Sheets

Copies:

Analytical Services Project Files, X2-10, w/a
A. Hopkins, H9-11, w/attachment 1 only
J. A. Lerch, B1-35, w/a
D. A. Myers, H9-11, w/attachment 1 only
W. S. Thompson, N1-28, w/attachment 1 only
IDJ - File, w/attachment 1 only
BHI Document Control, H4-79, w/a

200-ZP-1 Groundwater Vertical Profile Sampling Groundwater Sample Results, December 1995 SAF B96-043

Sample	Sample Depth	HEIS	Sample	Analysis	Chloroform	Carbon Tetrachloride	TCE
Location	(ft BTOC)	Number	Date	Date	(µg/L)	(μg/L)	(µg/L)
299-W15-10	223	B0GYR3	11/21/95	11/28/95	< 5.0	1270	<5.0
299-W15-10	255	BOGYR4	11/21/95	11/28/95	< 5.0	1340	<5.0
299-W15-10	286	BOGYR5	11/21/95	11/28/95	<5.0	1410	<5.0
299-W15-11	231	BOGYR6	11/24/95	11/28/95	<5.0	1050	<5.0
299-W15-11	257	BOGYR8	11/24/95	11/28/95	< 5.0	1180	<5.0
299-W15-11	288	BOGYR7	11/24/95	11/28/95	< 5.0	1260	<5.0
299-W15-1	223	BOGYS2	11/25/95	11/28/95	<2.0	490	<2.0
299-W15-1	244	BOGYS3	11/25/95	11/28/95	< 2.0	510	<2.0
299-W15-1	268	BOGYS4	11/25/95	11/28/95	< 2.0	530	<2.0
299-W15-32	212	B0GYR9	12/1/95	12/5/95	< 5.0	1990	< 5.0
299-W15-32	230	BOGYSO	12/1/95	12/5/95	< 5.0	2100	<5.0

Analyst:

D. D. Jecques 12-14-95

VOA Instrument: Photovac 10S Plus GC, Serial # BJDG203

Method: 5 mL/min HP Air, 11.7 eV lamp, 250 uL injection

Logbook: Photovac Instrument Logs, EL-1264, pg 50 and EL-1269, pg 2

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Disposed By

Date/Time

Bechtel Hanford, Inc	.	СН	AIN OF CUSTO	DY/SAN	IPLE A	NALYSI	S REQU	JEST			Data Turnar	_1_ of	1
Collector			Company Contact					Telephon				Normal	
Collector RIZZES			J. R. Freeman-Pollard					(509) 37	2-9347		J		
Project Designation			Sampling Location 200 West					SAF No. B96-043					
200-ZP-1 Groundwater Ver Ice Chest No.	tical Profile Sam	ibiruð	Field Logbook No.			<u>.</u>		,	f Shipment				·····
ice Chest No.			EFL-11	73				Hand Del					
Shipped To		···	Offsite Property No.					Bill of La	ling/Air Bill	No.			
Duane Jacques			NA					NA					
Possible Sample Hazards/R	emarks	,	Preservation	нсі									
			Type of Container	aGs									
			No. of Container(s)	1					<u> </u>				
Special Handling and/or Sto Maintain samples between			Volume	40mL									
SAI	SAMPLE ANALYSIS												<u>.</u>
Sample No.	Matrix*	Date Sampled	Time Sampled										
BOGYS4	w	11.25.75	1610	Y									
				<u> </u>				-					
								<u> </u>	_				ļ
							1						
CHAIN OF POSSESSION	Date/Time	Sign/Print I		me 0 <i>900</i>		INSTRUCT - (to includ		Tetrechio	ide, TCE, C	hioroform		Matrix* S = Soil SE = Sed	liment
	// 3/5 - - Date/Time	Received By	To Bakton 11.	-2 <i>7-95</i> me	14 day h	ples at 470 olding time.		deliver sar	nples to Du	ane Jacqu e :	s before the	SO = Soli SL = Sluc W = Wat O = Oil A = Air	dge ter
Relinquished By & QL	Data (Time	7-95/ AGCTE	Achely 11/27	me atti-	7							DS = Dru DL = Dru	
	•	940 Received by	Dacious Date/Ti	-970								T = Tiss	sue
Relinquished By	11/28/4; Date/Time	Received By	Date/Ti		-							L = Liqu V = Vec X = Oth	uid getation
LABORATORY Receives	ved By	<u> </u>	Title		<u> </u>	• • •	· · · · · · · · · · · · · · · · · · ·	. .		Date/Time	***************************************		
FINAL SAMPLE Dispo	sal Method		· · · · · · · · · · · · · · · · · · ·	Di	sposed By		•			Date/Time			